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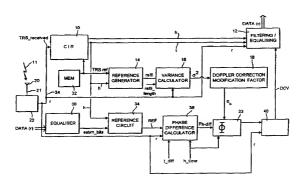
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(54) Title: COMPENSATION OF DOPPLER SHIFT IN A MOBILE COMMUNICATION SYSTEM



(57) Abstract

In a mobile communication system, signals which are transmitted from mobile stations moving relative to a base station are subject to a Doppler effect. A technique is described for compensating for that Doppler effect by using estimated bit decisions for received bits which are sufficiently close to a zero phase offest point so a not to have been corrupted by the Doppler effect in Poppler shift measured using these estimated bits can then be applied to bits of the signal which are further away from the zero phase offset point.